REMARKS

By this Amendment, claims 1, 3-10, 12 and 14-16 are amended. Claims 2, 11, 13 and 17 remain in the application. Claim 18 was identified as being "cancelled" in item 2 on page 2 of the Office Action. However, the Applicants had not previously cancelled claim 18, and the Examiner did not properly cancel claim 18 by an Examiner's Amendment. Claim 18 is, however, cancelled herein by the Applicants in order to place the application in condition for allowance, since claim 18 reads on a non-elected invention.

Thus, claims 1-17 are active in the application. Reexamination and reconsideration of the application are respectfully requested.

The specification and abstract have been carefully reviewed and revised in order to correct grammatical and idiomatic errors in order to aid the Examiner in further consideration of the application. The amendments to the specification and abstract are incorporated in the attached substitute specification and abstract. No new matter has been added.

Also attached hereto is a marked-up version of the substitute specification and abstract illustrating the changes made to the original specification and abstract.

Replacement formal drawings of Figures 1-20 are submitted concurrently herewith under a separate cover letter in order to correct mislabeled elements in Figures 1 and 11(a). In particular, the specification describes that the image processing apparatus illustrated in Figure 1 includes an ornament information storing unit 7 for storing ornament information (see, for example, paragraph [0089]), and an arrangement information storing unit 9 for storing arrangement information (see, for example, paragraph [0126]).

However, the element denoted by reference numeral 7 in Figure 1 is incorrectly identified as an "arrangement information storing unit," which is already illustrated in Figure 1 and correctly denoted by reference numeral 9. Therefore, Figure 1 has been revised to correctly describe that the element denoted by reference numeral 7 is an "ornament information storing unit."

Figure 11(a) illustrates an example of a personal image displayed on the LCD 29 that is the object to be edited. Paragraph [0131] of the specification describes that an

"edit button 40" and a "return button 41" are displayed on the personal image. Paragraph [0132] of the specification describes that when the user chooses the "edit button 40," a list of the ornament images that can be inserted is displayed. However, the button denoted by reference numeral 40 in Figure 11(a) is incorrectly identified as an "edition" button. Therefore, Figure 11(a) has been revised to correctly identify the button denoted by reference numeral 40 as an "edit button."

The Applicants submit that the above editorial revisions to the drawings do not add new matter. Therefore, approval and entry of the replacement formal drawings is respectfully requested.

In item 4 on page 2 of the Office Action, claims 4-5 were rejected under 35 U.S.C. § 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which the Applicants regard as the invention. In particular, the Examiner asserted that the terms "meta file" and "SMIL" render these claims indefinite because the meaning of the terms is unclear.

The term "meta-file" refers to a type of a computer program file which contains information that describes or specifies another file. The Applicants respectfully submit that the meaning of this term is known to those of ordinary skill in the art to which the present invention pertains. For instance, the website www.whatis.com defines the term metafile to mean "a file containing information that describes or specifies another file" (see Appendix A submitted herewith). The website webopedia.com defines the term metafile to mean "a file that contains other files or information that describes another file" (see Appendix B submitted herewith). Appendices A and B are provided merely as examples of the abundance of technology-related websites that define the term "meta-file." Therefore, the Applicants respectfully submit that one skilled in the art would readily understand the meaning of the term "meta-file," and thus, the Applicants respectfully submit that claim 4 is not indefinite for including the term "meta-file."

With respect to the present invention, Figure 10(a)-(b) illustrate an example of a meta-file. In particular, the meta-file illustrated in Figures 10(a)-(b) identifies ornament information as being different file data from ornament image data.

With respect to claim 5, the specification clearly defines the acronym SMIL to mean "Synchronized Multimedia Integration Language," which is defined by the World

Wide Web Consortium (W3C). For the Examiner's convenience, a paper entitled "Synchronized Multimedia" by the W3C is submitted concurrently herewith as Appendix C to demonstrate that the term SMIL would be known to those of ordinary skill in the art to which the present invention pertains.

SMIL makes it possible to integrate a multimedia object into a multimedia presentation, and SMIL is one format of a meta-file. Claim 5 has been amended to use the full definition of the acronym SMIL.

Accordingly, in view of the above, the Applicants respectfully submit that claims 4 and 5 particularly point out and distinctly claim the subject matter which the Applicants regard as the invention. Therefore, the Applicants respectfully request that the rejection of claims 4 and 5 under 35 U.S.C. § 112, second paragraph, be withdrawn.

In item 7 on pages 2-3 of the Office Action, claims 1-3 and 6-17 were rejected under 35 U.S.C. § 102(e) as being anticipated by Koike et al. (U.S. 6,181,805). This rejection is respectfully traversed for the following reasons.

Koike et al. discloses an object image detecting system and method which detects a position of a body part area in an input image.

However, Koike et al. does not disclose or suggest locating a coordinate system of an ornament image according to the detected position of the body part in the input image, and outputting an ornament-arranged input image, based on the located coordinate system of the ornament image, as recited in claim 1.

Therefore, Koike et al. fails to disclose or suggest locating an area for coordinating an ornament image in the input image, and coordinating an ornament image to the body part area in the input image.

Moreover, Koike et al. fails to disclose or suggest scaling a coordinate system of an ornament image according to the detected size of the body part area in the input image, and outputting an ornament-arranged input image, based on the scaled coordinate system of the ornament image, as recited in claim 6.

Similarly, Koike et al. fails to disclose or suggest defining a rotation amount of a coordinate system of an ornament image according to a detected rotation amount of the body part area, and outputting an ornament-arranged input image, based on the defined

rotation amount of the coordinate system of the ornament image, as recited in each of claims 7 and 8.

In addition, Koike et al. similarly fails to disclose or suggest defining opacity of an ornament image, where the opacity of the ornament image in a foreground area of the ornament image with respect to the detected body part area is different from the opacity of the ornament image in a background area of the ornament image with respect to the detected body part area, and outputting an ornament-arranged input image, based on the defined opacity of the ornament image, as recited in claim 9.

Similarly, Koike et al. does not disclose or suggest an image processing apparatus which comprises an ornament arranging unit operable to define ornament arrangement information, in harmony with a change of the body part area detected by the detecting unit, as recited in claim 12.

Accordingly, the Applicants respectfully submit that independent claims 1, 6-9 and 12 are clearly not anticipated by Koike et al. since Koike et al. fails to disclose or suggest each and every limitation of claims 1, 6-9 and 12.

Moreover, the Applicants respectfully submit that it would not have been obvious to modify Koike et al. or combine Koike et al. with any of the references of record to arrive at the inventions of claims 1, 6-9 and 12.

Therefore, it is submitted that the claims 1, 6-9 and 12, as well as claims 2-5, 10-11 and 13-17 which depend therefrom, are clearly allowable over the prior art as applied by the Examiner.
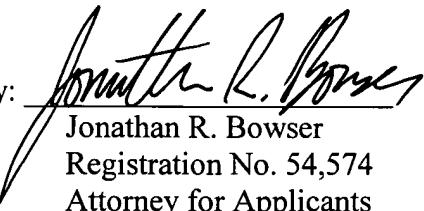
In view of the foregoing amendments and remarks, it is respectfully submitted that the present application is clearly in condition for allowance. An early notice thereof is respectfully solicited.

If, after reviewing this Amendment, the Examiner feels there are any issues remaining which must be resolved before the application can be passed to issue, the Examiner is respectfully requested to contact the undersigned by telephone in order to resolve such issues.

Respectfully submitted,

Kazuyuki IMAGAWA et al.

By: _____
Jonathan R. Bowser
Registration No. 54,574
Attorney for Applicants

JRB/nrj
Washington, D.C. 20006-1021
Telephone (202) 721-8200
Facsimile (202) 721-8250
March 6, 2006

AMENDMENTS TO THE DRAWINGS

Replacement formal drawings of Figures 1-20 are submitted concurrently herewith under a separate cover letter.

APPENDIX A

Whatis?com

The leading IT encyclopedia and learning center

HOME | LOOK IT UP | ITKNOWLEDGE EXCHANGE | LEARNING CENTER | FAST REFERENCES | CAREERS |

TechTarget Conferences, the most targeted events for today's top enterprise IT pros. View full schedule of upcoming topics and dates!

Search our IT-specific encyclopedia for:

metafile | Search |

Advanced Search

OR Jump to a topic:

Choose a topic... ▼ Go

Podcast / Audiocast Lotus Sametime?

Podcast / Audiocast RSA Conference 200

Search Results for "metafile"

WhatIs.com Terms: Encyclopedic listings for thousands of IT terms

Definition of "metafile" - brought to you by WhatIs.com
"A metafile is a file containing information that describes or specifies another file. Microsoft uses this term for its Windows Metafile (WMF) format. A WMF file contains a sequence of graphical-device-interface ..."
>> **View entire definition on WhatIs.com**

1 - 3 of 3:

> **metafile** (WhatIs.com)

> **EMF** (SearchWin2000.com)

> **Error messages for Windows 2000** (SearchWin2000.com)

Techtarget Network Results :

1 - 5 of 28:

> **metafile** (Nov. 02, 1997)
A metafile is a file containing information that describes or specifies another file. Microsoft uses this term for its Windows Metafile (WMF) format. A WMF file contains a sequence of graphical-device-interface (GDI) function calls ("commands" to...
WHATIS | DEFINITION

> **EMF** (Jul. 31, 2000)
EMF (Enhanced MetaFile) and raw are terms for spool file formats used in printing by the Windows operating system. When a print job is sent to the printer, if it is already printing another file, the computer reads the new file and stores it, usually...
WHATIS | DEFINITION

> **View Code Snippet** (Mar. 05, 2006)
'This prints a MSChart by using EditCopy To copy the chart As a metafile into the 'clipboard, Then extracting the metafile from clipboard And Print it. See also "'Article ID:

What's

WORD OF THE D dynamic analysi

LEARN MORE AF How to switch an e OSS

- Quiz of the Week the movies
- Quiz Central
- Secret Word of th
- Daily tech trivia
- IT Alphabet Sour
- Recently added/t
RSS WhatIs.com F

Q168749" In Microsoft's Knowledge Base, support.microsoft.
VBCODE

> **Microsoft: Beware of third-party WMF patch** (Jan. 04, 2006)
  Microsoft Corp. has slapped a 'buyer beware' tag on a third-party patch for the zero-day
  Windows Metafile flaw and promised that its own properly tested update will almost
  certainly ship Jan. 10.
  SEARCHWIN2000 | NEWS

> **View Code Snippet** (Mar. 06, 2006)
  0 The operation completed successfully. 1 Incorrect function. 2 The system cannot find
  the file specified. 3 The system cannot find the path specified. 4 The system cannot
  open the file. 5 Access is denied. 6 The handle is invalid. 7 The storage contr...
  VBCODE

View more Techtarget Network Results ◎

Web Results: Powered by Google™

1 - 5 of about **72400**.
Search took 0.260349 seconds.

> **Metafile** Home Page
  Metafile Information Systems, Inc. is headquartered in Rochester, MN and markets its
  solutions through its own sales office as well as an impressive ...
  http://www.metafile.com/ - 3k - Similar pages

> Companion Software - Windows **Metafile** FAQ
  Some programs (such as **Metafile** Companion) can extract these files from ... The one
  program that was designed just to edit WMF files is **Metafile** Companion. ...
  http://www.companionsoftware.com/PR/WMRC/WindowsMetafileFaq.html - 24k - Similar
  pages

> Companion Software Home Page
  Developer of **Metafile** Companion for Windows 95, 98 & NT. Edit WMF, EMF pictures
  from clipboard or files. Free evaluation copy available.
  http://www.companionsoftware.com/ - 5k - Similar pages

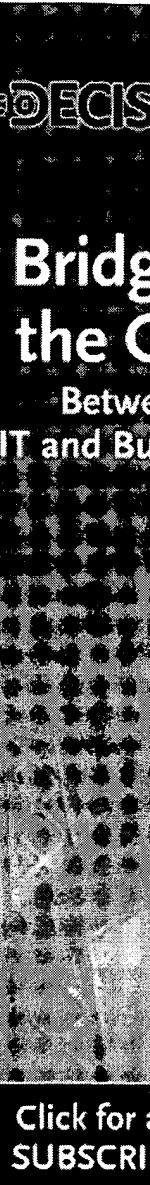> US-CERT Technical Cyber Security Alert TA05-362A -- Microsoft ...
  Microsoft Windows **Metafile** Handling Buffer Overflow. Original release date: December
  28, 2005 Last revised: December 31, 2005 Source: US-CERT ...
  http://www.us-cert.gov/cas/techalerts/TA05-362A.html - 9k - Similar pages

> US-CERT Technical Cyber Security Alert TA06-005A -- Update for ...
  Update for Microsoft Windows **Metafile** Vulnerability. Original release date: January 5,
  2006 Last revised: -- Source: US-CERT ...
  http://www.us-cert.gov/cas/techalerts/TA06-005A.html - 7k - Similar pages

View more Web Results ◎

☺ **Want more results? Run this search on any of these TechTarget Sites:**

expertAnswerCenter.com ▾ Go

HOME | LOOK IT UP | ITKNOWLEDGE EXCHANGE | LEARNING CENTER | FAST REFERENCES | CAREERS |

About Us | Contact Us | For Advertisers | For Business Partners | Reprints | RSS | Awards

Whatis.com is part of the TechTarget network of industry-specific IT Web sites

WINDOWS
SearchExchange.com
SearchSQLServer.com
SearchVB.com
SearchWindowsSecurity.com
SearchWinIT.com
SearchWinSystems.com
Labmice.net

APPLICATIONS
SearchCRM.com
SearchSAP.com

ENTERPRISE IT MANAGEMENT
SearchCIO.com
SearchDataCenter.com
SearchDataManagement.com
SearchSMB.com

CORE TECHNOLOGIES
SearchAppSecurity.com
SearchEnterpriseVoice.com
SearchMobileComputing.com
SearchNetworking.com
SearchOracle.com
SearchSecurity.com
SearchStorage.com
SearchWebServices.com
WhatIs.com

PLATFORMS
Search400.com
SearchDomino.com
SearchOpenSource.com

TechTarget Expert Answer Center | TechTarget Enterprise IT Conferences | TechTarget Corporate Web Site |

Explore **SearchTechTarget.com**, the guide to the TechTarget network of industry-specific IT Web sites.

Sponsored Links

Low Price Guaranteed Medical Filing Systems Specialists Fast Order Turnaround Nationwide	**Medical Filing Systems** Discount prices on high density medical filing systems.	**Word Definitions** Look up dictionary terms instantly! Fre reference dictionary toolbar.

internet.com®   **You are in the: Small Business Computing Channel**   **View Sites +**   Small Business Computing Channel

ComputerWorld Executive Bulletin: Patch Management. 90% of attacks happen due to vulnerability for which there is a known security patch. Learn why patch management needs to be your first line of defense.

internet.com **(Webopedia)** The #1 online encyclopedia dedicated to computer technology

Enter a word for a definition...   ...or choose a computer category.
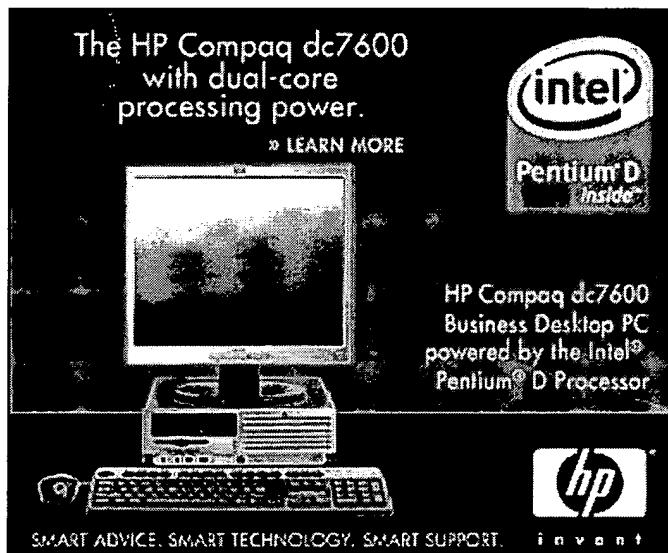
[   ] Go!   [choose one... ▼] Go!

MENU
- Home
- Term of the Day
- New Terms
- Pronunciation
- New Links
- Quick Reference
- Did You Know?
- Search Tool
- Tech Support
- Webopedia Jobs
- About Us
- Link to Us
- Advertising

Compare Prices:
[   ] go

HardwareCentral

Talk To Us...
- Submit a URL
- Suggest a Term
- Report an Error

$8.50 Domains
internet.com

Developer
Downloads
International
Internet Lists

metafile

Last modified: Monday, August 04, 2003

A <u>file</u> that contains other files or information that describes another file.

The HP Compaq dc7600 with dual-core processing power.
» LEARN MORE
intel Pentium D inside

HP Compaq dc7600 Business Desktop PC powered by the Intel® Pentium® D Processor

SMART ADVICE. SMART TECHNOLOGY. SMART SUPPORT.   invent

•**E-mail this definition to a colleague**•

For internet.com pages about **metafile** *CLICK HERE*. Also check out the following links!

LINKS   ≷ = Great Page!

Related Categories

File Management

Related Terms

executable file

file

file format

Internet News
Internet Resources
IT
Linux/Open Source
Personal Technology
Small Business
Windows Technology
xSP Resources
Search internet.com
Advertise
Corporate Info
Newsletters
Tech Jobs
E-mail Offers

internet commerce

Be a Commerce Partner
Web Programming
Racks
Laptop Computers
Web Hosting Services
Prepaid Calling Cards
Mortgage Refinancing
Degrees Online
PDA Reviews
Computer Deals
Promotional Products
Online Universities
KVM Switches Online
PDA Phones & Cases
Truck Advertising

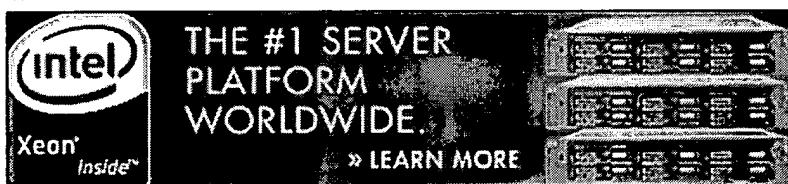file management system

folder

library

(Wĕbopēdia)
Give Us Your
Feedback

---

metafile Products :

Top Store Offers:
Rockler.com 17.59Metafile
converts any drawer into a
filing cabinet. Just install
Blum's Metafile in a spare
drawer to create a functional
filing system in minutes. In...

Compare all matches:
1 Store Offers

JupiterWeb networks:

internet.com | ⊙EARTHWEB | dev x | ⊙graphics.com

Search JupiterWeb: [   ] [Find]

Jupitermedia Corporation has three divisions:
Jupiterimages, JupiterWeb and JupiterResearch

Jupitermedia Corporate Info | Newsletters | Tech Jobs | Shopping | E-mail Offers

Synchronized Multimedia

What's New ? | Specifications | Getting Help | SMIL Players | SMIL Authoring Tools | Demos | Background | Accessibility | Past News | Mailing List Archive | Subscribe/unsbscribe| Timed-Text

---

SMIL™

The Synchronized Multimedia Integration Language (SMIL, pronounced "smile") enables simple authoring of interactive audiovisual presentations. SMIL is typically used for "rich media"/multimedia presentations which integrate streaming audio and video with images, text or any other media type. SMIL is an easy-to-learn HTML-like language, and many SMIL presentations are written using a simple text-editor.

For a more detailed description of the goals of the SMIL language, see the W3C Activity Statement on Synchronized Multimedia; a regularly updated report to W3C members that is also available to the public.

The public is invited to send comments and information requests about SMIL to the public mailing list www-smil@w3.org (public archives).

What's New ?

1. Dec 2005: The AMBULANT team at CWI announces the release of the AMBULANT 1.6 player, with full support for SMIL 2.1. The Player supports the new SMIL 2.1 Mobile and SMIL 2.1 Extended Mobile profiles and includes SMIL 2.1 support into the existing SMIL Language profile. This version of AMBULANT is useful when evaluating the SMIL 2.1 specification. It also contains a range of performance and bug fixes for the SMIL 2.0 language support.The AMBULANT 1.6 player is available for Linux, OS X, Windows desktop, Windows TabletPC and Windows PocketPC implementations.
2. Dec 2005: **THE SYMM WORKING GROUP RELEASES THE SMIL 2.1 RECOMMENDATION** (13 12 2005).
3. Sept 2005: The SYMM Working Group releases SMIL 2.1 Proposed Recommendation.
4. May 2005: The AMBULANT team at CWI announces the release of the AMBULANT 1.4 player, with full support for SMIL 2.1 CR. The Player supports the new SMIL 2.1CR Mobile and SMIL 2.1CR Extended Mobile profiles and includes SMIL 2.1CR support into the existing SMIL Language

profile. This version of AMBULANT is useful when evaluating the SMIL 2.1CR specification. It also contains a range of performance and bug fixes for the SMIL 2.0 language support.The AMBULANT 1.4 player is available for Linux, OS X, Windows desktop, Windows TabletPC and Windows PocketPC implementations. A Zaurus Linux PDA version will be available shortly.

Past news ...

Specifications

- Latest SMIL 2 version: (The latest version of the SMIL 2.x specification,whatever its maturity). http://www.w3.org/TR/SMIL2/
- Latest SMIL Recommendation: (The most mature SMIL Recommendation (whatever the major revision number). http://www.w3.org/TR/SMIL/

SMIL 2.1

- **W3C RECOMMENDATION SMIL 2.1** (13 12 2005).

SMIL 2.0

- **W3C RECOMMENDATION: SYNCHRONIZED MULTIMEDIA INTEGRATION LANGUAGE (SMIL 2.0) [SECOND EDITION]**
- Translations of SMIL 2.0 (e.g. French, Korean)
- W3C Note "XHTML+SMIL Profile"
- SMIL 2.0 Testsuite
- Implementation Results from SMIL2.0 Test suite
- "The application/smil and application/smil+xml Media Types" Internet Draft

SMIL 1.0

- **W3C RECOMMENDATION: SYNCHRONIZED MULTIMEDIA INTEGRATION LANGUAGE (SMIL) 1.0 SPECIFICATION**
- Translations of SMIL 1.0 (e.g. Chinese, German, Italian, Japanese, Korean, Portuguese)
- SMIL 1.0 Player Testcases and SMIL Player Feature List

SMIL in MMS

- 3GPP TS 26.140 - Multimedia Messaging Service (MMS); Media formats and codes
- 3GPP TS 26.234 - Transparent end-to-end streaming service; Protocols and codecs
  (SMIL profile is defined in Section B and Appendix B define the MMS SMIL profile)
- 3GPP TS 26.246 - Transparent end-to-end Packet-switched Streaming Service (PSS); 3GPP SMIL language profile - part of Release 6
- MMS SMIL profile from OMA

Getting Help

Tutorials

- <u>Learn SMIL with a SMIL</u>: a tutorial in SMIL written in SMIL by Jose Ramirez.
- SMIL 2.0: Interactive Multimedia for Web and Mobile Devices" by Dick Bulterman and Lloyd Rutledge. For more information, please see <u>http://www.XmediaSMIL.net/</u>.
- <u>Learning to SMIL</u>: This tutorial will teach you the fundamentals you'll need to understand before exploring SMIL in depth. The lessons contain working examples of SMIL in action, as well as questions to test your understanding.
- <u>SMIL Tutorial by W3Schools</u>
- <u>RealNetworks Production Guide</u> contains SMIL Chapters (<u>previous (G2) version</u>)
- <u>Documentation on Quicktime SMIL Implementation</u> by Apple
- Boston University <u>SMIL tutorial</u>
- <u>"SMIL 2.0 - Part 1: Overview, Concepts and Structure"</u> [PDF] by Dick Bulterman
- <u>"A Realist's SMIL Manifesto"</u> Tutorial
- <u>All HTML SMIL Tutorial</u> (in French/en Francais)
- <u>SMIL book</u> published by Sams Publishing. Includes SMIL 2.0 tutorials in both RealONE and IE.
- Presentation slides <u>"What's new in SMIL 2.0 ?"</u>
- Openwave <u>MMS Documentation</u>
- <u>Web Techniques SMIL tutorial</u> - Excellent tutorial explaining some neat tricks
- <u>SMIL Tutorial</u> by CWI
- <u>Helio SMIL tutorial</u>
- <u>Web Review SMIL tutorial</u>
- <u>Tutorial on using SMIL animation with SVG</u> by <u>KevLinDev</u>
- <u>Universal SMIL</u> - SMIL content playable on all players, with appropriate media formats.
- "Cours d'introduction à SMIL" by Didier Courtaud (in French/en francais)
  - <u>SMIL version (including video and audio)</u>
  - <u>HTML version</u>
- <u>SMIL - Un Introduction</u>- Lecture slides by Philipp Hoschka (in French/en francais)
- <u>The SMIL 1.0 Textbook</u> (in German/auf Deutsch)
- <u>The SMIL 2.0 Textbook</u> (in German/auf Deutsch)
- <u>SMIL bulletin board</u> by <u>RealNetworks</u>
- <u>A tutorial in italian about SMIL (translated also in spanish) by Luigi Corrias.</u>
- <u>QuickTime Karaoke</u>
- <u>a SMIL 2.0 tutorial in Chinese</u>

Public Mailing List

The public is invited to send comments and information requests about SMIL to the public mailing list www-smil@w3.org (public archives). The list is open to everyone. To subscribe, try quick subscribe. If that does not work, send a mail with "Subject: subscribe" to www-smil-request@w3.org. If you have problems subscribing/unsubscribing, see more info on W3C mailing list administration.

Players

SMIL 2.1

- AMBULANT player from CWI, with full support for SMIL 2.1. The Player supports the SMIL 2.1 Mobile, Extended Mobile and Language profiles. The AMBULANT SMIL 2.1 player is available for Linux, OS X, Windows desktop, Windows TabletPC and Windows PocketPC implementations.

SMIL 2.0

- AMBULANT player from CWI, with full support for SMIL 2.0 [Second Edition]. The Player supports the SMIL 2.0 Language and Basic profiles. The AMBULANT SMIL 2.0 player is available for Linux, OS X, Windows desktop, Windows TabletPC and Windows PocketPC implementations.
- GRiNS for SMIL-2.0 by Oratrix provides a SMIL 2.0 player which supports SMIL 2.0 syntax and semantics.
- RealNetworks' SMIL implementation is now public under the datatypes project in the Helix open-source community. See Quick Start guide to download and build the code.
- SMIL Player by InterObject. The player supports SMIL 2.0 Basic Profile.The player runs on PC with Windows NT/2000/XP and handheld devices with Pocket PC, such as Compaq iPAQ. Refer to product specifications
- Internet Explorer 6.0 by Microsoft includes implementation of XHTML+SMIL Profile Working Draft
- Internet Explorer 5.5 by Microsoft supports many of the SMIL 2.0 draft modules including Timing and Synchronization, BasicAnimation, SplineAnimation, BasicMedia, MediaClipping, and BasicContentControl. See an introductory article about SMIL 2.0 support (called HTML+TIME 2.0) in IE 5.5.
- NetFront v3.0 is a micro browser for PDA/mobile phone/information appliances. It claims to support HTML 4.01/XHTML 1.0/ SMIL Basic/SVG Tiny.
- Pocket SMIL, it is written in C++.
- RubiC is developed by Roxia Co.,Ltd. It includes an authoring tool and player, and fully supports SMIL 2.0 specification. "RubiC" is also available for mobile handset for mobile internet MMS(Multimedia Messaging Service)
- List of MMS Simulators
- Tao's announced Qi browser supports SMIL, HTML 4.01 CSS, and XML (including XML Parser, DTD and Schema validation).

SMIL 1.0

- Grins (SMIL1.0) by Oratrix
- HPAS by Compaq
- Lp player by Productivity Works
- QuickTime 4.1 by Apple
- Realplayer 8 by RealNetworks
- Soja, a Java based SMIL player by Helio
- S2M2 , a Java Applet-based SMIL Player by NIST
- Schmunzel , a Java player by SunTREC Salzburg.
- X-SMILES a Java based open browser by TML laboratory
- Autometa RPXP is an open-source (LGPL v2.1) object-oriented Perl 5.005 script. It generates SMIL 1.0 and RealText streaming media presentations.

Authoring Tools

- Ezer by SMIL Media
- Fluition by Confluent Technologies
- Grins by Oratrix
- GoLive6 by Adobe
- Hi-Caption, a captioning tool by Hisoftware
- HomeSite by Allaire
- LimSee2 is an open source SMIL authoring tool, with support for SMIL 1.0 and SMIL 2.0.
- MAGpie , a captioning tool by WGBH
- MovieBoard, for e-learning (Japanese only)
- MMS Simulators list
- Perly SMIL , a SMIL 1.0 Perl module
- RealSlideshow Basic by RealNetworks
- SMIL Composer SuperToolz by HotSausage
- Smibase, a server-installed software suite
- SMIL Editor V2.0, by DoCoMo.
- SMILGen by RealNetworks, a SMIL (and XML) authoring tool designed to ease the process of XML.
- SMIL Scenario Creator by KDDI
- SMIRK presentation authoring tool for the production of accessible slide shows outputting to SMIL 2.0, SMIL 1.0, XHTML + SMIL, HTML 4.01.
- SMOX Pad and SMOX Editor, for advanced SMIL and HTML+Time development.
- TAG Editor 2.0 - G2 release by Digital Renaissance ???
- Tagfree 2000 SMIL Editor
- TransTool - open source transcription tool
- VeonStudio by Veon
- Validator: SMIL 1.0, SMIL 2.0, SMIL 2.0 Basic and XHTML+SMIL by CWI.
- SMG for a PDA, a BREW, a Phone and a PC by Smilmedia
- Toolkit for MPEG-4 from IBM, creates MPEG-4 binary from content created in XMT-O (based on the SMIL 2.0 syntax and semantics).
- 3TMAN allows to easily author the complex multimedia projects and then can export the multimedia projects to the Html+time and/or SMIL formats
- ppt2smil tool is a PowerPoint macro that convert a PowerPoint

presentation to a streaming SMIL presentation with audio and/or video.

Demos

- INRIA scientific talks
- SMIL 2.0 Feature-by-feature demos by RealNetworks
- Torino and New York demos by Telecom Italia Lab
- SMIL1.0, SMIL 2.0 demos available from Oratrix.
- Synchronized Multimedia Summer School at INRIA
- The Webnews demo, by CWI. (needs an HTML renderer)
- Demos available from RealNetworks
- SMIL 1.0 tutorial written in SMIL
- SMIL1.0 demo of the Canyonlands
- XHTML+SMIL demos, by Microsoft (works In > IE5.5 only)
- XHTML+SMIL demos, by Patrick Schmitz (works In > IE5.5 only)
- Demos of SMIL Animation used in combination with SVG at Burning Pixel and KevLinDev
- Karaoke demo; SMIL version, you can directly test a Html+time version for IE6.

Background

- justsmil.com - collection of SMIL-related information
- W3C Note "Synchronized Multimedia Modules based upon SMIL 1.0"
- SMIL1.0 DTD
- SMIL conference
- W3C Activity Statement
- W3C SYMM Working Group (members only) - the technical forum for development of SMIL

Accessibility

- SMIL accessibility demo by WGBH
- Accessibility Features of SMIL (W3C Note)

Past News

- *May 2005: The SYMM Working Group has released SMIL 2.1, as a Candidate Recommendation. Comments are welcome through 15 June.*
- *Feb 2005: The SYMM Working Group has released SMIL 2.1, a Last Call Working Draft. Comments are welcome through 25 February.*
- *Jan 2005: W3C publishes SMIL 2.0 Recommendation [Second Edition], a reedition of SMIL2.0 including resolved errata*
- *Nov 2004: W3C publishes SMIL 2.0 Proposed Edited Recommendation, a reedition of SMIL2.0 including resolved errata.*
- *July 2004: The Ambulant project announces the release of version 1.0 of the Ambulant player, a SMIL 2.0 player.*
- *July 2004: Manalee releases SMOX Pad and SMOX Editor, for advanced SMIL and HTML+Time development.*

- *June 2004: Real adds GPL to Helix Player, RedHat/Novell Join In. Read article.*
- *June 2004: Springer has published the book "SMIL 2.0: Interactive Multimedia for Web and Mobile Devices" by Dick Bulterman and Lloyd Rutledge. For more information, please see http://www.XmediaSMIL.net/.*
- *April 2004: The Ambulant Player project released the Ambulant/X distribution. This distribution supports nearly the entire SMIL 2.0 specification and is available in source form for Lunix, Linux/PDA, Mac OS X, Windows and WinCE distributions. In addition, custom installers are available for Mac OS X, Win32/Desktop and WinCE/PocketPC. The Ambulant team also released a set of six SMIL demonstrators that can be used to evaluate the Ambulant/X player (and other SMIL players). All of the projects distributions plus the latest project news are now available.*
- *February 2004: The Ambulant project at CWI releases the AMBULANT/S open-source player build, with extensive support for SMIL 2.0 timing, content control, layout and other SMIL Language profile features.*
- *February 2004: OMA "MMS Conformance Document 1.2": - defines "a very limited subset of SMIL elements ("MMS SMIL") which are needed to achieve the minimal presentation capabilities required by the first phase of the Multimedia Messaging Service MMS".*
- *January 2004: Real Networks releases RealPlayer 10, with vastly improved codecs and support for 3GPP SMIL namespace*
- *December 2003: 3rd Generation Partnership Project (3GPP) SMIL Language Profile (Release 6) .*
- *December 2003: KDDI to Launch CDMA 1X WIN, a new 3G service that enables high speed data communications up to 2.4 Mps. It supports SMIL Basic.*
- *November 2003: Autometa RPXP is an open-source project that generates SMIL 1.0 and RealText streaming media presentations.*

November 2003: AMBULANT Open Source SMIL Player released by CWI

- *October 2003: NetFront is a SMIL player released by Access for KDDI mobile phones.*
- *July 2003: The SMIRK presentation authoring system is now available for testing. It is a tool for the production of accessible slide shows outputting to SMIL 2.0 , SMIL 1.0, XHTML+SMIL, HTML4.01.*
- *July 2003: Boston University SMIL tutorial*
- *July 2003: Learn SVG is a workbook-like format that lends itself to people who want both a solid foundation in the main aspects of SVG and SMIL.*
- *July 2003: Tao's announced Qi browser supports SMIL*
- *June 2003: Nokia 6600 phone will have SMIL support in its MMS client. The phone supports the 3GPP SMIL profile.*
- *June 2003: INRIA releases LimSee2 an open source SMIL authoring tool, with support for SMIL 1.0 and SMIL 2.0.*
- *June 2003: RealNetworks' SMIL implementation is now public under the datatypes project in the Helix open-source community.*
- *May 2003: Roxia Co. annouces RubiC, a SMIL 2.0 player and authoring tool.*
- *May 2003: IBM Toolkit for MPEG-4 supports XMT-O content (based on the SMIL 2.0).*
- *May 2003: TransTool - open source transcription tool*
- *May 2003: "Let SMIL be your umbrella: Computerized tools for automating presentation and analysis of digital video in behavioral research" shows how to use SMIL for video editing*
- *April 2003: Smilmedia provides the GPS SMIL Multimedia Service based on Brew for the KDDI , the famous mobile company in Japan.*
- *March 2003: NetFront v3.0 annouces a micro browser for PDA/mobile phone/information appliances. It claims to support HTML 4.01/XHTML 1.0/SMIL Basic/SVG Tiny.*
- *Feb 2003: Openwave MMS Documentation*

Feb 2003: List of MMS Simulators

- *Feb 2003: RealNetworks Production Guide contains SMIL Chapters*

- *Jan 2003: W3C Launches the Timed Text Working Group. Read the Charter.*
- *Jan 2003: SMIL Europe 2003 conference announced in Paris on Febuary 12, 13, 14, 2003.*
- *Oct 2002: SMIL Tutorial by CWI*
- *Sep 2002: Documentation on Quicktime SMIL Implementation by Apple*
- *Aug 2002: SMIL 2.0 Feature-by-feature demos by RealNetworks*
- *Jul 2002: SMIL Scenario Creator by KDDI*
- *Jul 2002: "A Realist's SMIL Manifesto" Tutorial*
- *Jul 2002: Tagfree 2000 SMIL Editor*
- *Jul 2002: 3GPP MMS (Multimedia Messaging Service) and Streaming Service use SMIL - see 3GPP specifications (TS 26.140 defines MMS and TS 26.234, Section 8 and Appendix B define SMIL profile)*
- *Jun 2002: All HTML SMIL Tutorial (in French/en Francais)*
- *Mar 2002: SMIL Player from InterObject is now available. The player supports the SMIL 2.0 Basic Profile.*
- *Jan 2002: W3C releases a Note for XHTML+SMIL Profile.*
- *Jan 2002: X-Smiles 0.5 has been released, a java-based XML browser providing good XHTML 1.0 basic + CSS Mobile profile support. Also more features have been added to SMIL 2 and XForms. SMIL now has many layout enchancements, animation, transparent color support.*
- *Dec 2001: SMIL book published by Sams Publishing. Includes SMIL 2.0 tutorials in both RealONE and IE.*
- *Nov 2001: SMIL Editor V2.0, by DoCoMo releases a SMIL content Authoring tool.*
- *Oct 2001: "SMILtheque" by Aristote available (Navigable audio/video of talks synchronized with slides)*
- *Sep 2001: Oratrix announces its GRiNS Editor based on SMIL2 Editor family and streamlined to export to the new RealONE format.*
- *Sep 2001: RealNetworks releases SMILGen, a SMIL (and XML) authoring tool designed to ease the process of XML.*
- *Sep 2001: RealNetworks releases the RealOne Platform with full support for the SMIL 2.0 Language profile.*
- *Sep 2001: Torino demo by Telecom Italia Lab available*
- *Sep 2001: SMIL Animation becomes a W3C Recommendation.*
- *Sep 2001: X-Smiles, version 0.4 a new java-based XML browser, supports SMIL 2.0 Basic.*
- *Aug 2001: SMIL 2.0 becomes a W3C Recommendation (Press Release, Testimonials, Implementation Report - see also "What's new in SMIL 2.0 ?").*
- *Aug 2001: XHTML+SMIL Profile Working Draft published.*
- *Aug 2001: Internet Explorer 6.0 by Microsoft includes implementation of XHTML+SMIL Profile Working Draft.*
- *Aug 2001: Talkshow on SMIL 2.0 (streaming audio) by streamingmedia.com*
- *Aug 2001: SMIL/XHTML+SMIL converter by INRIA*
- *Aug 2001: "Streaming: Past, Present and Future - An In releases SMILGen, a SMIL (and XML) authoring tool designed to ease the process of XML.*
- *Sep 2001: RealNetworks releases the RealOne Platform with full support for the SMIL 2.0 Language profile.*
- *Sep 2001: Torino demo by Telecom Italia Lab available*
- *Sep 2001: SMIL Animation becomes a W3C Recommendation.*
- *Sep 2001: X-Smiles, version 0.4 a new java-based XML browser, supports SMIL 2.0 Basic.*
- *Aug 2001: SMIL 2.0 becomes a W3C Recommendation (Press Release, Testimonials, Implementation Report - see also "What's new in SMIL 2.0 ?").*
- *Aug 2001: XHTML+SMIL Profile Working Draft published.*
- *Aug 2001: Internet Explorer 6.0 by Microsoft includes implementation of XHTML+SMIL Profile Working Draft.*
- *Aug 2001: Talkshow on SMIL 2.0 (streaming audio) by streamingmedia.com*
- *Aug 2001: SMIL/XHTML+SMIL converter by INRIA*

- *Aug 2001: "Streaming: Past, Present and Future - An Investigation into the Synchronized Multimedia Integration Language 2.0 (SMIL 2.0)" M. Sc. Thesis by Asa Viken*
- *July 2001: Internet Explorer 6.0 Public Preview by Microsoft supports many of the SMIL 2.0 modules including Timing and Synchronization, BasicAnimation, SplineAnimation, BasicMedia, MediaClipping, and BasicContentControl.*
- *July 2001: Presentation slides "What's new in SMIL 2.0 ?" available*
- *June 2001: INRIA Summer School "PDMS'2001 : Production et diffusion de documents multimédia synchronisés sur l'Internet" announced (Aug 27-31, Autrans, France).*
- *June, 2001: GRiNS, a new version of the SMIL-2 player with full support for the W3C SMIL 2.0 Proposed Recommendation syntax and semantics for the SMIL-2 Language and Basic profiles, an embeded SVG renderer, plus animation and timing semantics compatible with the XHTML+SMIL working draft*
- *June, 2001: W3C is pleased to announce the advancement of SMIL 2.0 to Proposed Recommendation status and the publication of SMIL 2.0 Testsuite.*
- *March 2001: X-Smiles, a Java-based Open Source XML Browser with SMIL 1.0 support announced*
- *March 2001: W3C releases a new Public Working Draft of SMIL 2.0 specification*
- *February 2001: SMIL 2.0, SMIL 2.0 Basic and XHTML + SMIL Validators by CWI.*
- *January 2001: Perly SMIL, a SMIL 1.0 Perl module*
- *December 2000: Schmunzel: a SMIL 1.0 Java player developed by SunTREC Salzburg.*
- *December 2000: Tutorial on using SMIL animation with SVG by KevLinDev*
- *December 2000: Keysplines graph tool for SMIL animation by Burning Pixel*
- *December 2000: Demos of SMIL animation used in combination with SVG at Burning Pixel and KevLinDev*
- *October 2000: Adobe will develop a SMIL extension for its Web authoring tool, Adobe GoLive 5.0.*
- *September 2000: Last Call Public Working Draft of SMIL20 now available.(Last Call ends October 20th 2000)*
- *SMIL-Boston (code name) is now renamed SMIL20.*
- *September 2000: Oratrix provides early release of its GRiNS for SMIL-2.0 player: In order to help evaluate the SMIL 2.0 Last Call spec, Oratrix is making versions of its SMIL-2.0 player available for general testing and evaluation.*
- *June 2000: Fluition by Confluent Technologies (Macintosh platform only).*
- *June 2000: Microsoft Internet Explorer 5.5 supports many of the SMIL 2.0 draft modules including Timing and Synchronization, BasicAnimation, SplineAnimation, BasicMedia, MediaClipping, and BasicContentControl. See an introductory article about SMIL 2.0 support (called HTML+TIME 2.0) in IE 5.5.*
- *June 2000: Apple QuickTime 4.1, now a SMIL 1.0 Player.*
- *June 2000: 4th public Working Draft of SMIL-Boston available*
- *May 2000 WWW9 Multimedia Workshop Monday, May 15, 2000 in Amsterdam*
- *Feb 2000: Third public Working Draft of SMIL-Boston available*
- *Jan 2000: Apple QuickTime 4.1, now a SMIL 1.0 Player.*
- *Jan 2000: Player Internet Explorer 5.5 Preview by Microsoft (supports selected modules of SMIL Boston draft)*
- *Jan 2000: Authoring tool Realslideshow 2.0 by RealNetworks*
- *Dec 1999: Internet Draft (4th Version): The application/smil Media Type*
- *Dec 1999: Chinese translation of SMIL 1.0*
- *Nov 1999: Captioning tool Magpie by WGBH*
- *Nov 1999: SMIL support for Apple QuickTime 4.1 announced*
- *Nov 1999: NIST SMIL S2M2 Player*
- *Nov 1999: Second public release of SMIL-Boston Specification*
- *Sept 1999: Accessibility Features of SMIL (W3C Note)*
- *Aug 1999: Working draft of updated SMIL version available (Press Release)*
- *Feb 1999: W3C Note "Synchronized Multimedia Modules based upon SMIL 1.0"*

- *Feb 1999: Learn SMIL with SMIL - a SMIL training course written in SMIL*
- *Jan 1999: NIST makes Open Source SMIL player available (Aug 1999: not available)*
- *Aug 1998: Talk "Integrating SDP Functionality into SMIL" at IETF meeting*
- *Aug 1998: VEON authoring tool*
- *Jul 1998: CWI makes SMIL player available*
- *Jul 1998: RealNetworks makes beta SMIL implementation (G2) available*
- *Jun 1998: W3C Workshop on "Television and the Web"*
- *Apr 1998: Talk at RealNetworks Conference (Video, requires Realplayer G2 - SMIL source)*
- *Apr 1998: W3C Proposed Recommendation*
- *Mar 1998: HPAS, the first SMIL implementation is available*
- *Feb 1998: Second public version of SMIL Specification*
- *Nov 1997: First public release of SMIL Specification (Press release)*
  Press reactions (Selection):
    - *Web Review: Streaming Media to Make you SMIL*
    - *Wired News: SMIL Hopes to Weave the Streams*
    - *CNET: Spec to bring TV-like content to the Net*
- *Mar 1997: Article "Towards Synchronized Multimedia on the Web" (published in World Wide Web Journal)*
- *Oct 1996: W3C Workshop: Real Time Multimedia and the Web*
    - *Presentation*
- *Jun 1996: Presentation at Advisory Committee Meeting, Boston*
- *May 1996: Developer's day session "Real Time" at 5th WWW conference, Paris*
- *May 1996: Tutorial "Sound and Video on the Web" 5th WWW conference, Paris*
- *May 1996: Article Integration of Real-Time Multimedia into the Web in special issue on WWW of ERCIM news*
- *Dec 1995: Birds of a Feather session Towards a Real-Time Multimedia Web, 4th WWW conference, Boston*

Thierry Michel (tmichel@w3.org), W3C activity lead for the W3C Multimedia Activity
$Date: 2006/02/13 15:51:41 $ by $Author tmichel $